

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Carbon Monoxide (CO)

Units: Parts per Million (PPM)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.1	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
4	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	ST	ST	ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	ST	ST	ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ZS	ZS	0.0	0.0	ST	ST	ST	ST	ST	0.0	0.0	0.0	0.0	0.0	0.1	0.0
9	0.0	0.1	0.6	0.2	1.0	0.7	0.7	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.4	ST	1.0	0.6	1.0	0.0							
10	0.3	0.0	0.2	1.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	ST	0.2	1.1	0.0												
11	0.2	0.3	0.0	0.0	IM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	0.1	0.3	0.0												
12	ST	ST	ST	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	
13	0.0	0.0	0.0	0.4	0.9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.0	
14	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	ST	ST	ST	0.0	0.0	0.0	0.0	0.0	0.1	0.0
15	0.0	0.0	0.0	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SZ	SZ	ST	ST	ST	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.0
16	0.0	0.1	0.1	0.0	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	ST	ST	ST	ST	0.0	0.3	0.2	0.3	0.2	0.1	0.8	0.0
17	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
18	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.1	0.1	0.6	0.0	
19	0.1	0.1	0.3	1.0	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.0	0.1	0.0	0.4	0.0
21	0.5	0.6	0.6	1.5	0.7	0.7	0.7	0.6	0.4	0.5	0.3	0.1	0.0	0.4	0.6	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.4	1.5	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.8	0.6	0.7	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	IM	SZ	0.6	0.6	0.6	0.7	0.6	0.6	0.3	0.0	0.4	0.2	0.7	0.0	
24	0.0	0.0	0.6	1.2	0.3	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	IM	0.4	0.2	1.2	0.0								
25	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8	0.7	0.9	0.8	0.8	0.7	0.8	0.7	0.8	0.9	0.9	0.8	0.9	1.2	1.2	0.6	1.2	0.0	
26	1.1	1.1	1.1	1.9	1.0	1.0	1.0	0.9	0.8	0.9	0.8	0.8	0.7	SZ	SZ	1.1	0.8	ST	ST	ST	1.2	1.1	1.1	1.1	1.0	1.9	0.7	
27	1.0	1.0	1.0	1.9	1.0	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.8	0.6	0.6	0.7	0.6	0.9	1.9	0.6		
28	0.7	0.8	0.8	1.7	0.9	0.9	1.0	1.0	0.9	0.9	0.8	0.9	0.9	0.7	0.8	0.7	0.5	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.8	1.7	0.5	
29	0.8	1.3	1.4	2.3	1.0	0.6	0.8	0.7	0.9	0.5	0.4	0.4	0.4	0.9	0.7	0.3	0.2	0.0	0.0	0.0	0.9	1.3	1.3	0.7	2.3	0.0		
30	1.5	1.6	1.5	2.3	1.5	1.7	1.7	1.6	1.5	1.6	1.1	1.2	CA	CA	CA	1.2	1.4	1.5	CA	CA	CA	0.3	0.3	0.5	1.3	2.3	0.3	
31	0.2	0.4	0.4	0.9	0.0	0.3	0.6	ST	CA	0.3	0.1	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.9	0.0		
Average	0.2	0.2	0.3	0.5	0.5	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3				
Maximum	1.5	1.6	1.5	2.3	1.5	1.7	1.7	1.6	1.5	1.6	1.1	1.2	0.9	1.0	1.2	1.4	1.5	0.9	0.9	1.2	1.1	1.3	1.3					
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Oxides of Nitrogen (NOx)

Units: Parts per Billion (PPB)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	54.2	47.6	44.7	38.1	34.1	28.0	28.8	25.9	28.5	26.5	24.8	23.4	24.6	27.4	31.2	38.2	47.3	52.6	52.3	49.9	49.3	48.6	45.1	40.7	38.0	54.2	23.4	
2	39.5	32.6	28.5	27.4	27.6	23.4	26.8	29.1	30.1	29.4	26.4	24.2	27.6	27.9	30.2	31.9	32.7	33.4	37.4	47.4	54.0	62.1	65.2	61.2	35.7	65.2	23.4	
3	57.1	50.3	45.7	39.4	33.7	25.0	25.2	23.6	23.3	25.1	25.1	23.5	23.4	28.2	38.0	50.2	63.5	68.4	64.9	67.4	68.4	62.0	59.4	54.7	43.6	68.4	23.3	
4	52.4	52.1	48.6	44.9	40.4	35.7	38.8	40.5	37.8	31.2	24.0	19.6	21.7	20.1	18.7	21.0	25.2	29.3	33.4	37.0	35.2	31.7	32.4	38.0	33.7	52.4	18.7	
5	41.7	44.7	43.8	41.5	38.2	31.9	32.7	30.1	29.5	29.0	30.0	33.2	36.2	34.0	26.2	24.5	29.8	38.8	55.7	68.3	75.5	79.6	80.1	76.0	43.8	80.1	24.5	
6	70.6	58.5	53.5	48.4	43.3	35.5	36.0	33.9	34.2	35.6	36.8	33.0	33.0	34.1	30.1	29.5	ST	ST	ST	ST	63.8	74.8	77.1	68.7	46.5	77.1	29.5	
7	62.1	48.8	46.8	46.4	41.9	37.4	40.0	37.7	38.8	41.2	42.9	46.3	52.1	48.4	52.8	49.7	ST	ST	ST	ST	108.6	107.0	104.5	55.4	108.6	37.4		
8	99.6	87.8	82.9	76.8	57.8	44.2	48.3	50.7	53.5	57.3	50.8	50.7	ZS	ZS	51.6	60.6	ST	ST	ST	ST	128.5	121.0	70.1	128.5	44.2			
9	112.2	96.9	85.4	71.0	60.0	53.6	56.3	65.6	88.8	90.5	102.0	97.4	77.7	75.9	54.3	50.4	ST	ST	ST	ST	ST	ST	ST	107.3	79.2	112.2	50.4	
10	114.3	107.1	102.8	92.4	81.8	78.3	84.6	85.3	78.0	76.9	58.4	29.4	22.3	ST	ST	ST	ST	77.8	114.3	22.3								
11	107.4	98.1	89.0	76.2	IM	60.8	58.9	63.3	64.4	67.1	61.4	52.8	ST	ST	ST	ST	72.7	107.4	52.8									
12	ST	ST	ST	77.3	63.3	54.8	55.0	50.0	47.6	46.8	46.8	46.7	42.9	42.0	44.5	48.4	50.5	51.1	49.2	48.8	48.3	47.8	47.9	46.8	50.3	77.3	42.0	
13	44.6	42.3	41.0	38.4	35.3	25.0	17.0	15.2	16.9	17.8	16.5	18.6	19.6	19.5	19.8	20.2	19.1	18.9	23.7	29.7	30.4	27.6	25.9	23.8	25.3	44.6	15.2	
14	19.9	12.1	10.7	10.6	13.4	11.5	17.1	24.9	26.2	19.8	14.2	12.0	11.2	11.1	10.3	12.9	17.3	ST	ST	ST	48.4	54.7	55.0	52.0	22.2	55.0	10.3	
15	48.2	33.9	34.7	29.0	23.6	13.9	19.4	19.4	17.8	18.1	21.0	23.8	20.9	15.7	8.9	ZS	ZS	ST	ST	ST	32.0	34.1	32.2	26.5	24.9	48.2	8.9	
16	26.6	20.0	16.7	18.2	17.2	12.6	12.7	7.5	12.7	14.8	17.1	18.2	21.9	27.6	33.4	40.1	ST	ST	ST	30.1	39.1	44.5	37.7	36.7	24.1	44.5	7.5	
17	32.8	25.3	25.2	20.3	22.7	16.5	13.1	16.7	16.0	16.3	15.6	16.0	15.7	16.1	17.8	22.2	21.9	30.1	30.0	29.4	28.4	25.9	22.5	20.8	21.6	32.8	13.1	
18	19.4	18.5	15.5	15.8	16.7	11.3	13.4	17.1	18.7	20.1	18.7	8.4	11.9	12.9	14.6	13.7	18.0	18.1	18.0	15.0	16.2	13.5	10.7	7.1	15.1	20.1	7.1	
19	8.6	5.2	5.3	5.4	4.0	3.5	1.6	5.3	6.4	9.5	12.1	13.7	14.3	13.6	13.9	12.0	16.2	18.0	20.0	24.1	22.3	24.2	24.0	24.6	12.8	24.6	1.6	
20	22.1	19.3	15.0	23.2	18.5	19.3	15.6	16.2	15.5	14.5	15.1	19.1	19.1	23.6	27.3	34.3	36.4	36.3	36.2	40.1	40.8	39.4	34.3	30.1	25.5	40.8	14.5	
21	26.9	23.0	23.9	18.3	14.3	15.6	14.7	21.7	25.1	22.7	20.9	OL	OL	14.2	21.2	31.0	35.5	35.7	36.2	36.7	31.2	28.8	21.9	14.5	24.3	36.7	14.2	
22	10.5	6.5	6.7	7.0	7.3	10.7	17.6	20.5	23.1	25.5	30.5	33.2	33.1	23.7	19.5	17.2	22.0	24.0	27.2	28.9	28.1	28.3	34.0	35.6	21.7	35.6	6.5	
23	34.4	31.5	30.9	29.8	25.8	26.4	27.7	28.0	29.6	30.9	25.5	15.9	15.1	IM	ZS	1.4	3.4	5.5	8.9	14.7	16.0	16.0	17.6	14.7	20.4	34.4	1.4	
24	16.9	16.0	14.2	13.6	11.3	15.5	15.4	16.6	15.1	13.9	20.4	14.1	11.3	10.7	5.3	IM	IM	IM	IM	IM	IM	IM	IM	IM	16.4	14.2	20.4	5.3
25	18.3	19.3	15.6	17.9	13.0	21.8	22.9	30.1	35.3	17.9	12.8	14.2	12.0	8.5	11.2	6.8	4.4	2.9	5.8	6.6	11.0	19.0	22.8	26.1	15.7	35.3	2.9	
26	32.7	26.9	28.3	26.1	18.6	16.9	13.4	12.2	13.0	12.1	15.1	17.9	14.6	ZS	ZS	7.7	20.3	ST	ST	ST	64.0	69.1	68.0	64.1	28.5	69.1	7.7	
27	55.6	50.0	42.3	31.8	24.6	21.2	21.1	20.0	21.4	21.8	19.7	19.2	15.4	9.1	16.6	20.1	23.3	25.8	25.7	29.2	25.8	25.7	11.5	9.7	24.5	55.6	9.1	
28	14.5	21.1	22.1	19.7	23.8	21.8	19.1	20.9	14.8	8.5	7.8	7.9	8.1	8.0	7.6	8.7	8.9	8.3	8.4	8.8	11.5	9.3	5.5	7.5	12.6	23.8	5.5	
29	15.4	16.0	15.2	17.6	11.9	13.3	13.0	16.9	19.7	19.8	19.8	19.1	26.8	18.8	5.1	4.8	1.0	1.5	3.2	6.4	4.4	9.2	10.8	12.8	12.6	26.8	1.0	
30	17.2	20.4	15.2	18.8	15.2	23.7	32.7	36.4	29.4	39.4	23.0	12.5	CA	CA	4.8	8.8	13.5	CA	CA	CA	22.4	31.1	34.5	22.2	39.4	4.8		
31	35.4	34.9	33.9	26.8	20.1	19.7	18.8	ST	CA	24.3	23.5	18.3	11.0	10.2	14.4	15.0	20.2	20.2	21.8	22.5	32.8	42.7	41.7	25.0	42.7	10.2		
Average	43.7	38.9	36.1	34.5	28.6	26.7	27.7	29.4	30.4	29.8	28.4	26.1	23.8	23.3	24.0	25.1	23.9	26.6	29.4	32.0	36.5	40.4	42.6	42.0				
Maximum	114.3	107.1	102.8	92.4	81.8	78.3	84.6	85.3	88.8	90.5	102.0	97.4	77.7	75.9	54.3	60.6	63.5	68.4	64.9	68.3	75.5	108.6	128.5	121.0				
Minimum	8.6	5.2	5.3	5.4	4.0	3.5	1.6	5.3	6.4	8.5	7.8	7.9	8.1	8.0	5.1	1.4	1.0	1.5	3.2	6.4	4.4	9.2	5.5	7.1				

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrous Oxide (NO)

Units: Parts per Billion (PPB)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	41.4	36.9	33.6	26.5	20.3	18.0	18.4	14.1	16.6	15.1	12.1	9.5	9.9	11.2	14.8	22.3	31.4	37.6	34.5	34.3	34.6	33.5	29.8	26.6	24.3	41.4	9.5	
2	24.8	17.3	12.8	13.0	11.0	9.7	12.9	15.1	16.0	13.9	7.7	2.4	3.1	1.7	2.7	4.6	3.4	3.9	9.0	24.2	33.7	45.0	49.9	46.8	16.0	49.9	1.7	
3	44.0	38.1	33.2	27.5	19.6	14.4	14.1	12.2	11.1	13.1	12.8	9.7	8.2	11.6	22.5	33.9	48.0	50.5	45.4	50.2	52.5	43.8	40.6	35.9	28.9	52.5	8.2	
4	35.5	37.8	34.2	30.9	24.7	22.4	26.1	26.7	19.7	9.4	1.0	0.0	0.0	0.0	1.4	4.2	4.1	7.0	11.4	11.5	10.8	14.4	22.6	14.8	37.8	0.0		
5	26.8	31.9	32.7	29.4	23.8	20.0	20.7	18.1	18.2	17.3	17.0	19.8	18.0	8.8	0.8	0.0	3.0	10.4	33.6	52.5	60.9	65.6	66.3	64.1	27.5	66.3	0.0	
6	59.0	47.3	41.9	37.2	29.8	25.1	25.6	23.6	24.2	23.8	20.1	11.4	8.6	5.4	0.7	1.3	ST	ST	ST	ST	43.4	59.6	61.4	51.5	30.0	61.4	0.7	
7	45.6	30.8	31.3	32.9	27.3	25.5	25.8	23.1	24.9	27.9	30.8	31.6	34.7	23.1	16.4	13.2	ST	ST	ST	ST	ST	92.6	91.2	87.9	37.7	92.6	13.2	
8	85.3	75.6	71.3	63.3	39.2	28.0	32.3	36.4	39.0	41.7	30.2	27.8	ZS	ZS	5.3	18.6	ST	ST	ST	ST	ST	ST	113.3	105.8	50.8	113.3	5.3	
9	98.9	83.7	71.8	58.0	45.0	42.3	44.7	53.7	72.3	71.2	74.8	67.3	35.8	25.4	7.8	6.7	ST	ST	ST	ST	ST	ST	92.5	56.0	98.9	6.7		
10	99.7	94.6	88.8	78.2	65.5	66.4	73.0	71.3	56.5	50.9	27.4	1.9	0.0	ST	ST	59.6	99.7	0.0										
11	93.5	86.3	77.1	64.8	IM	50.2	48.6	52.5	54.2	56.0	41.8	24.3	ST	ST	59.0	93.5	24.3											
12	ST	ST	ST	64.7	48.1	42.2	42.7	36.1	34.5	32.7	33.1	30.6	23.5	22.1	24.5	31.2	33.2	32.7	29.8	29.8	29.9	31.0	31.3	30.7	34.0	64.7	22.1	
13	29.9	28.0	25.9	23.5	18.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.3	6.5	3.9	3.5	2.7	6.7	29.9	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	9.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	ST	ST	ST	31.2	39.4	39.6	38.0	7.8	39.6	0.0		
15	34.7	27.9	22.3	15.1	10.2	6.3	9.4	10.3	10.7	11.4	11.6	11.4	1.3	0.0	0.0	ZS	ZS	ST	ST	ST	22.8	25.6	25.1	20.0	14.5	34.7	0.0	
16	15.0	9.9	9.1	6.1	3.9	0.6	0.4	0.4	0.6	1.1	3.5	6.2	9.5	15.5	18.9	8.8	ST	ST	7.6	21.5	28.2	27.9	25.3	10.5	28.2	0.4		
17	22.9	20.2	17.6	13.2	9.5	6.4	7.4	7.6	9.0	10.2	7.4	5.9	4.8	4.5	6.8	9.2	7.7	11.5	16.0	18.8	18.2	15.3	13.5	12.8	11.5	22.9	4.5	
18	11.7	8.9	8.6	8.5	6.2	4.9	6.6	8.4	9.9	11.2	5.0	0.0	0.0	2.5	4.4	5.7	7.0	7.2	6.6	7.1	7.1	6.2	3.7	3.7	6.3	11.7	0.0	
19	4.3	3.9	2.6	5.1	0.1	0.4	0.2	0.3	1.1	1.4	4.0	6.3	0.7	0.0	0.0	1.3	0.0	0.0	2.3	7.6	10.9	14.4	15.0	15.7	4.1	15.7	0.0	
20	15.7	14.9	13.2	12.6	7.9	7.3	6.1	7.0	6.6	7.2	7.2	7.6	9.8	13.3	17.6	21.9	22.0	24.0	27.8	31.9	31.4	30.3	27.7	25.1	16.5	31.9	6.1	
21	21.9	19.0	16.6	15.7	10.5	11.0	10.4	13.2	16.8	15.1	12.6	OL	OL	3.5	11.8	20.5	26.8	27.6	26.4	25.9	20.7	14.4	11.2	7.1	16.3	27.6	3.5	
22	4.1	0.0	0.0	1.5	3.8	7.7	11.5	15.2	18.8	21.7	22.9	24.7	25.2	9.3	0.0	0.0	0.2	6.6	13.1	18.2	20.0	21.6	22.8	23.0	12.2	25.2	0.0	
23	24.0	24.4	23.4	22.6	19.0	20.2	20.0	19.9	21.5	21.0	12.0	12.1	0.0	0.0	IM	ZS	0.0	0.0	0.0	0.1	1.7	4.6	7.1	11.1	24.4	0.0		
24	8.6	9.7	9.4	12.9	8.5	10.4	10.7	14.6	14.3	11.4	5.1	0.0	0.0	0.0	0.0	IM	3.1	7.4	14.6	0.0								
25	6.4	10.7	7.1	9.4	7.1	10.4	14.3	21.2	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.3	18.6	5.8	21.2	0.0
26	20.2	21.4	20.6	17.8	10.6	9.0	6.6	4.5	4.0	4.5	5.2	8.4	5.9	ZS	ZS	0.0	6.2	ST	ST	ST	48.8	56.7	57.8	54.4	19.1	57.8	0.0	
27	47.2	40.1	33.0	23.3	16.0	13.9	12.4	11.8	11.2	10.0	6.3	6.5	4.9	2.0	4.7	8.4	12.0	16.6	16.8	15.2	12.5	14.1	0.0	0.0	14.1	47.2	0.0	
28	4.2	13.0	15.6	17.9	15.1	12.0	10.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	17.9	0.0		
29	0.1	4.6	4.8	8.4	4.7	4.5	4.3	6.5	8.3	8.4	7.9	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	8.4	0.0		
30	2.5	6.8	7.2	11.2	8.3	13.4	23.4	21.3	5.5	11.6	0.0	0.0	CA	CA	CA	0.0	0.0	0.0	CA	CA	CA	7.1	15.2	20.0	8.5	23.4	0.0	
31	22.7	23.0	21.6	16.8	13.4	14.1	14.6	ST	CA	8.0	1.5	0.0	0.0	0.0	1.0	0.8	4.5	5.8	3.1	12.0	22.8	29.4	30.9	31.1	12.6	31.1	0.0	
Average	31.7	28.9	26.3	24.8	17.6	16.9	17.9	18.6	18.3	17.0	13.6	10.5	7.6	6.4	6.2	7.8	9.5	11.9	14.4	17.8	22.6	26.7	29.9	30.1				
Maximum	99.7	94.6	88.8	78.2	65.5	66.4	73.0	71.3	72.3	71.2	74.8	67.3	35.8	25.4	24.5	33.9	48.0	50.5	45.4	52.5	60.9	92.6	113.3	105.8				
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

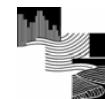
Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Nitrogen Dioxide (NO2)

Units: Parts per Billion (PPB)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	12.8	10.6	11.1	11.6	13.8	10.0	10.3	11.8	11.9	11.4	12.7	13.9	14.8	16.1	16.4	15.9	15.9	14.9	17.8	15.7	14.7	15.2	15.3	14.1	13.7	17.8	10.0
2	14.7	15.3	15.7	14.5	16.6	13.7	13.9	14.0	14.1	15.5	18.7	21.8	24.6	26.2	27.4	27.2	29.3	29.5	28.4	23.2	20.3	17.1	15.3	14.4	19.6	29.5	13.7
3	13.1	12.2	12.6	11.9	14.1	10.6	11.1	11.4	12.2	11.9	12.2	13.8	15.2	16.6	15.5	16.3	15.6	17.9	19.6	17.2	15.9	18.2	18.8	18.8	14.7	19.6	10.6
4	16.9	14.2	14.5	14.0	15.7	13.3	12.6	13.7	18.1	21.8	23.0	19.6	21.7	20.1	18.7	19.6	21.0	25.2	26.3	25.6	23.7	21.0	18.0	15.5	18.9	26.3	12.6
5	15.0	12.7	11.1	12.1	14.5	11.9	12.0	12.1	11.3	11.7	13.0	13.4	18.2	25.2	25.5	24.5	26.8	28.3	22.1	15.8	14.6	14.0	13.8	11.9	16.3	28.3	11.1
6	11.6	11.2	11.6	11.1	13.5	10.4	10.4	10.3	10.0	11.8	16.7	21.5	24.4	28.8	29.4	28.2	ST	ST	ST	ST	20.4	15.2	15.7	17.1	16.5	29.4	10.0
7	16.5	18.0	15.5	13.5	14.6	11.9	14.1	14.6	13.9	13.3	12.1	14.7	17.4	25.3	36.4	36.5	ST	ST	ST	ST	16.0	15.8	16.6	17.7	36.5	11.9	
8	14.4	12.2	11.6	13.4	18.6	16.2	16.0	14.3	14.5	15.6	20.6	22.9	ZS	ZS	46.3	42.0	ST	ST	ST	ST	ST	15.2	15.2	19.3	46.3	11.6	
9	13.2	13.2	13.6	13.1	15.0	11.3	11.6	11.8	16.6	19.3	27.3	30.1	42.0	50.5	46.6	43.7	ST	ST	ST	ST	ST	14.8	23.2	50.5	11.3		
10	14.6	12.5	14.0	14.2	16.3	11.8	11.6	14.0	21.5	25.9	31.0	27.5	22.3	ST	18.3	31.0	11.6										
11	13.9	11.7	11.8	11.3	IM	10.6	10.3	10.8	10.2	11.1	19.6	28.6	ST	13.6	28.6	10.2											
12	ST	ST	ST	12.7	15.2	12.6	12.3	13.8	13.2	14.1	13.7	16.2	19.3	19.9	20.0	17.1	17.3	18.5	19.5	19.0	18.4	16.7	16.6	16.1	16.3	20.0	12.3
13	14.7	14.3	15.1	14.8	16.8	17.9	17.0	15.2	16.9	17.8	16.5	18.6	19.6	19.5	19.8	20.2	19.1	18.9	21.3	20.4	23.9	23.7	22.4	21.1	18.6	23.9	14.3
14	19.9	12.1	10.7	10.6	13.4	11.5	15.3	15.3	22.6	19.8	14.2	12.0	11.2	11.1	10.3	12.9	17.3	ST	ST	ST	17.2	15.2	15.4	14.1	14.4	22.6	10.3
15	13.5	6.0	12.4	13.9	13.4	7.6	10.0	9.0	7.2	6.6	9.4	12.4	19.6	15.7	8.9	ZS	ZS	ST	ST	9.1	8.4	7.0	6.4	10.4	19.6	6.0	
16	11.6	10.1	7.6	12.1	13.4	11.9	12.3	7.0	12.1	13.7	13.6	12.0	12.4	12.0	14.5	31.2	ST	ST	22.5	17.6	16.3	9.8	11.4	13.6	31.2	7.0	
17	9.9	5.1	7.6	7.1	13.2	10.0	5.7	9.0	7.1	6.1	8.2	10.1	11.0	11.6	11.0	13.0	14.2	18.7	14.0	10.6	10.2	10.6	8.9	8.0	10.0	18.7	5.1
18	7.8	9.6	7.0	7.3	10.5	6.5	6.8	8.7	8.8	8.8	13.6	8.4	11.9	10.4	10.2	8.0	11.0	10.9	11.4	8.0	9.1	7.3	7.0	3.4	8.8	13.6	3.4
19	4.3	1.2	2.7	0.3	3.9	3.0	1.4	4.9	5.3	8.0	8.1	7.4	13.6	13.6	13.9	10.7	16.2	18.0	17.7	16.4	11.4	9.8	9.0	8.9	8.7	18.0	0.3
20	6.3	4.3	1.8	10.6	10.6	12.0	9.5	9.2	8.9	7.2	7.9	11.6	9.3	10.3	9.8	12.4	14.4	12.3	8.4	8.2	9.4	9.1	6.6	4.9	9.0	14.4	1.8
21	5.0	4.1	7.4	2.7	3.8	4.6	4.3	8.4	8.3	7.6	8.4	OL	OL	10.7	9.4	10.5	8.7	8.1	9.7	10.8	10.6	14.4	10.7	7.4	8.0	14.4	2.7
22	6.4	6.5	6.7	5.5	3.5	3.0	6.1	5.3	4.3	3.8	7.6	8.5	7.9	14.5	19.5	17.2	21.8	17.4	14.2	10.7	8.2	6.7	11.1	12.6	9.5	21.8	3.0
23	10.4	7.1	7.5	7.3	6.7	6.1	7.7	8.1	8.1	9.9	13.4	15.9	15.1	IM	ZS	1.4	3.4	5.5	8.9	14.7	14.2	14.3	12.9	7.6	9.4	15.9	1.4
24	8.4	6.3	4.7	0.7	2.7	5.1	4.7	2.0	0.7	2.4	15.3	14.1	11.3	10.7	5.3	IM	13.3	6.7	15.3	0.7							
25	11.9	8.6	8.5	6.0	11.3	8.6	8.9	14.3	17.9	12.8	14.2	12.0	8.5	11.2	6.8	4.4	2.9	5.8	6.6	11.0	16.1	11.5	7.6	9.8	17.9	2.9	
26	12.4	5.5	7.7	8.3	8.0	7.8	6.8	7.6	9.0	7.6	9.9	9.5	8.7	ZS	ZS	7.7	14.1	ST	ST	15.1	12.4	10.1	9.7	9.4	15.1	5.5	
27	8.5	9.9	9.2	8.5	8.6	7.4	8.7	8.3	10.2	11.8	13.4	12.7	10.5	7.2	11.9	11.8	11.3	9.2	9.0	14.0	13.2	11.6	11.5	9.7	10.3	14.0	7.2
28	10.3	8.2	6.4	1.9	8.7	9.7	9.1	18.1	14.8	8.5	7.8	7.9	8.1	8.0	7.6	8.7	8.9	8.3	8.4	8.8	11.5	9.3	5.5	7.5	8.8	18.1	1.9
29	15.4	11.3	10.3	9.2	7.3	8.7	8.6	10.4	11.4	11.4	11.9	17.5	26.2	18.8	5.1	4.8	1.0	1.5	3.2	6.4	4.4	9.2	10.8	12.8	9.9	26.2	1.0
30	14.7	13.5	8.0	7.6	6.9	10.3	9.2	15.1	23.9	27.7	23.0	12.5	CA	CA	4.8	8.8	13.5	CA	CA	CA	15.3	15.9	14.5	13.6	27.7	4.8	
31	12.8	11.8	12.3	10.0	6.8	5.6	4.2	ST	CA	16.3	22.0	18.3	11.0	10.2	13.5	14.1	15.6	14.4	18.7	10.5	10.0	13.3	11.8	10.6	12.5	22.0	4.2
Average	12.0	10.0	9.9	9.7	11.1	9.8	9.8	10.8	12.0	14.8	15.6	16.3	16.9	17.8	17.3	14.4	14.7	15.0	14.3	13.9	13.7	12.7	11.9				
Maximum	19.9	18.0	15.7	14.8	18.6	17.9	17.0	18.1	23.9	27.7	31.0	30.1	42.0	50.5	46.6	43.7	29.3	29.5	28.4	25.6	23.9	23.7	22.4	21.1			
Minimum	4.3	1.2	1.8	0.3	2.7	3.0	1.4	2.0	0.7	2.4	7.6	7.4	7.9	7.2	5.1	1.4	1.0	1.5	3.2	6.4	4.4	6.7	5.5	3.4			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Wind Speed

Units: Meters per Second (m/s)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	1.0	1.1	1.5	1.4	0.6	0.9	2.9	3.5	3.6	4.0	3.9	3.4	2.9	4.3	3.5	3.4	2.5	3.0	2.9	2.6	2.0	2.4	2.9	2.9	2.6	4.3	0.6
2	3.2	4.0	2.5	1.8	1.8	1.7	1.6	1.6	1.5	0.1	1.3	1.5	1.9	2.2	2.0	2.5	2.7	2.4	1.5	1.1	0.5	0.2	0.2	0.3	1.7	4.0	0.1
3	0.5	1.6	1.5	2.3	3.2	3.0	3.3	3.9	3.5	3.0	3.0	3.6	3.4	2.7	2.4	1.8	1.5	1.3	0.2	0.3	0.5	1.1	0.5	1.0	2.0	3.9	0.2
4	0.4	1.6	1.3	0.1	0.3	0.1	0.2	0.4	1.6	2.1	3.1	3.3	2.6	2.5	2.4	1.4	1.9	2.3	2.5	2.0	1.9	1.5	0.7	0.5	1.5	3.3	0.1
5	0.2	0.2	0.2	0.9	1.3	1.2	1.3	1.8	1.7	1.9	2.2	1.5	1.3	1.9	3.1	3.0	2.0	1.0	1.7	2.2	1.1	0.7	0.9	1.0	1.4	3.1	0.2
6	2.4	2.9	1.6	0.7	1.6	1.0	1.4	0.9	0.2	0.1	0.6	1.4	0.9	2.6	3.3	2.5	2.7	2.2	1.8	1.6	0.1	0.2	1.1	0.9	1.4	3.3	0.1
7	0.9	1.1	0.7	2.7	1.1	0.3	0.9	0.5	1.1	2.5	2.3	1.3	0.7	1.7	2.4	3.0	2.0	1.9	0.6	0.7	0.1	0.3	0.9	0.4	1.3	3.0	0.1
8	0.1	0.3	0.2	0.6	1.4	0.6	0.1	0.3	0.1	0.7	1.4	1.0	2.1	2.4	2.2	2.4	2.8	2.1	0.3	0.0	0.2	0.2	0.1	0.2	0.9	2.8	0.0
9	0.8	1.1	2.0	0.5	0.2	0.8	0.3	0.8	1.0	1.6	2.3	1.6	2.2	3.0	3.1	3.2	2.9	2.7	1.7	1.6	0.0	0.4	0.1	0.4	1.4	3.2	0.0
10	0.1	0.0	0.6	0.9	0.0	0.2	0.6	1.3	2.3	1.7	3.5	3.6	4.0	4.9	4.0	3.7	3.8	2.7	0.3	0.3	0.3	0.4	2.4	1.7	1.8	4.9	0.0
11	1.6	1.7	1.7	1.5	IM	0.9	0.9	1.5	1.5	0.2	1.5	1.7	1.6	1.4	0.6	0.5	1.4	1.5	0.3	0.1	2.6	2.9	2.7	3.0	1.4	3.0	0.1
12	2.9	2.5	2.5	2.2	2.3	2.1	2.4	1.8	1.6	1.8	1.6	0.2	0.5	0.4	1.2	2.1	2.6	3.0	2.4	2.0	2.0	1.7	1.6	1.8	1.9	3.0	0.2
13	1.8	1.5	1.2	1.0	0.8	1.7	2.1	1.6	1.8	1.8	1.5	0.9	0.5	0.4	0.7	1.3	2.9	2.3	0.4	0.8	1.5	1.4	1.1	0.9	1.3	2.9	0.4
14	2.9	3.2	2.8	2.7	1.9	0.8	0.1	0.8	2.5	2.5	2.6	3.7	4.0	3.8	1.6	1.3	0.8	0.9	0.5	0.3	0.1	0.4	0.1	1.0	1.7	4.0	0.1
15	2.2	2.3	2.3	2.3	2.2	2.0	2.4	2.8	3.2	3.3	2.4	0.5	1.7	1.9	1.7	2.1	1.8	2.2	0.6	0.1	1.5	2.3	2.9	3.7	2.1	3.7	0.1
16	3.6	3.5	3.5	4.2	4.6	4.7	4.5	4.2	2.9	3.3	3.5	2.9	2.7	2.4	1.1	2.3	2.6	2.8	2.2	0.9	0.5	2.0	2.0	1.8	2.9	4.7	0.5
17	2.1	2.0	2.5	2.5	2.8	3.0	2.6	3.0	2.7	3.6	4.0	3.8	3.2	2.8	1.9	0.8	0.8	0.5	1.0	2.1	2.6	2.8	2.4	3.0	2.4	4.0	0.5
18	3.0	3.1	1.9	2.4	3.4	3.6	3.2	3.9	3.4	3.1	2.7	4.0	3.7	3.5	2.9	3.5	3.3	3.2	3.3	2.8	2.7	3.4	3.7	2.7	3.2	4.0	1.9
19	3.6	3.7	4.1	3.6	3.7	3.7	3.6	3.9	4.5	2.8	0.9	0.5	1.3	1.2	1.3	1.5	1.7	1.4	0.9	0.5	0.5	1.5	1.5	1.7	2.2	4.5	0.5
20	0.9	1.8	2.1	2.2	1.9	1.2	0.3	1.6	2.2	2.8	2.7	3.1	1.6	2.7	2.6	2.3	0.9	0.8	1.3	1.2	1.3	1.6	1.8	2.1	1.8	3.1	0.3
21	2.5	2.6	2.1	2.5	2.6	2.5	2.9	3.1	3.0	3.1	3.2	2.9	2.9	1.9	2.3	2.7	3.5	3.3	3.7	4.4	4.8	4.4	5.2	3.1	5.2	1.9	
22	5.3	5.7	4.7	3.6	3.6	2.9	2.3	2.3	1.8	1.6	1.6	1.7	0.5	2.5	2.9	2.4	0.5	0.2	0.0	1.0	0.5	0.8	1.1	0.5	2.1	5.7	0.0
23	0.5	0.7	1.3	0.4	0.4	0.3	0.9	1.5	0.5	0.3	0.8	1.0	0.8	IM	0.7	1.3	1.7	0.3	0.8	0.1	0.2	0.3	0.2	0.2	0.7	1.7	0.1
24	0.1	0.2	0.7	1.7	1.3	0.5	0.2	0.2	0.1	0.2	0.6	0.5	0.9	1.0	0.5	IM	0.8	0.6	1.7	0.1							
25	0.4	0.8	0.9	0.2	0.2	0.3	0.3	0.2	1.2	2.9	2.7	1.5	1.3	2.3	2.4	3.2	3.0	2.9	2.9	2.5	1.7	0.4	0.7	0.3	1.5	3.2	0.2
26	0.6	0.5	0.9	1.8	2.1	2.0	2.1	2.4	2.7	2.5	1.9	2.3	2.1	1.6	0.9	0.5	1.0	2.1	1.2	0.1	0.6	1.9	2.3	2.5	1.6	2.7	0.1
27	3.5	3.6	4.2	3.9	3.7	3.9	3.9	3.7	4.3	4.7	3.6	3.4	6.1	4.4	2.2	3.4	3.2	4.2	3.5	3.4	2.8	0.2	2.8	1.3	3.5	6.1	0.2
28	0.3	0.3	0.5	0.7	0.1	0.8	0.4	2.2	4.1	5.1	3.8	4.4	4.3	4.3	4.4	4.0	3.8	4.1	4.1	3.0	1.9	1.5	1.3	0.6	2.5	5.1	0.1
29	0.3	0.7	1.6	2.0	2.5	3.1	3.6	3.1	2.4	2.2	1.1	2.1	2.7	4.8	4.6	4.3	4.2	4.6	4.0	2.8	1.7	1.2	1.3	0.6	2.6	4.8	0.3
30	0.6	0.7	0.3	0.2	0.4	0.2	0.5	2.0	3.2	2.9	3.1	CA	2.4	3.6	3.9	3.7	3.5	3.1	2.2	1.3	0.4	0.2	0.0	1.8	3.9	0.0	
31	0.3	0.6	2.0	1.7	1.7	1.7	1.8	1.7	1.1	1.2	1.9	1.0	1.0	1.3	0.8	0.4	0.5	0.9	0.5	0.2	0.5	1.5	1.1	2.0	0.2		
Average	1.6	1.8	1.8	1.8	1.8	1.7	1.7	2.0	2.2	2.2	2.3	2.2	2.2	2.5	2.2	2.3	2.3	2.2	1.7	1.4	1.2	1.3	1.5	1.4			
Maximum	5.3	5.7	4.7	4.2	4.6	4.7	4.5	4.2	4.5	5.1	4.0	4.4	6.1	4.9	4.6	4.3	4.2	4.6	4.1	3.7	4.4	4.8	4.4	5.2			
Minimum	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.5	0.4	0.6	0.4	0.5	0.2	0.0	0.0	0.2	0.1	0.0	1.1			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Wind Direction

Units: Degrees True

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	139	122	112	113	84	116	131	130	142	135	140	122	159	144	153	149	134	127	120	130	144	132	134	124	131	159	84
2	130	120	125	128	123	129	123	118	113	148	285	292	293	296	290	289	297	302	294	282	301	120	145	140	203	302	113
3	140	123	114	133	134	133	134	135	136	142	125	111	112	123	138	124	155	227	232	124	277	294	261	277	163	294	111
4	127	125	117	67	283	275	247	283	287	283	303	296	277	279	284	266	292	289	295	290	285	295	298	279	255	303	67
5	305	165	140	127	142	136	130	116	143	158	134	143	296	290	299	303	287	281	132	134	125	128	137	110	182	305	110
6	129	121	118	128	121	120	127	136	145	305	281	289	294	295	295	300	303	304	290	280	314	243	285	285	230	314	118
7	268	282	166	140	163	257	268	258	144	134	132	118	254	288	298	301	294	307	291	278	157	255	292	281	234	307	118
8	115	137	267	297	285	291	7	38	330	282	293	278	295	297	295	296	299	305	285	246	279	145	95	126	233	330	7
9	121	106	110	138	120	122	143	297	285	293	299	291	296	298	293	300	302	300	309	294	331	148	314	305	242	331	106
10	238	67	301	305	292	201	288	294	302	295	292	292	295	297	287	298	299	305	155	147	141	118	129	109	239	305	67
11	129	132	124	130	IM	123	115	132	136	196	293	287	286	292	291	273	288	272	278	15	139	128	120	125	187	293	15
12	122	121	134	124	114	99	110	100	121	148	159	304	300	293	138	135	119	124	123	119	137	148	141	134	149	304	99
13	135	137	138	129	137	302	306	305	305	299	296	295	272	236	272	279	298	305	214	312	304	310	288	271	256	312	129
14	307	303	292	278	274	273	170	293	297	295	293	297	298	292	271	182	165	255	271	243	52	116	93	131	239	307	52
15	125	123	118	110	107	108	114	118	124	130	133	269	285	282	282	276	272	299	303	79	133	134	130	128	174	303	79
16	126	127	126	126	124	126	128	131	123	129	134	144	149	151	162	291	300	294	293	289	106	141	145	123	166	300	106
17	120	117	122	121	121	123	127	127	128	133	135	132	123	126	129	221	287	282	134	131	126	135	129	132	144	287	117
18	134	135	137	135	133	137	139	137	127	134	135	137	136	132	137	132	123	119	121	123	122	125	127	131	139	119	
19	136	123	129	121	129	121	127	125	125	133	100	253	258	245	233	246	246	242	236	207	136	134	139	141	170	258	100
20	145	128	135	133	137	137	113	125	138	137	138	154	125	136	141	131	214	199	142	137	132	130	133	128	140	214	113
21	128	127	137	141	134	134	135	140	135	134	130	125	121	132	126	144	128	117	123	119	121	122	126	129	144	117	
22	120	117	117	128	127	139	139	140	159	160	130	149	175	305	305	305	286	40	58	140	125	116	117	111	154	305	40
23	138	142	135	124	152	144	135	131	105	59	284	286	303	IM	319	182	270	209	278	53	34	339	180	288	187	339	34
24	348	140	229	191	164	187	243	177	4	85	331	286	341	351	320	291	IM	301	235	351	4						
25	278	300	310	256	129	127	127	148	287	294	294	288	283	293	293	296	301	301	307	309	293	294	310	132	260	310	127
26	131	151	126	131	120	113	119	124	138	136	132	135	128	131	127	170	296	300	300	68	123	134	131	136	150	300	68
27	132	137	130	132	127	132	144	143	141	127	118	142	161	169	201	182	118	125	113	106	100	252	303	290	155	303	100
28	283	145	128	150	316	288	277	294	297	299	291	301	297	301	301	306	306	296	293	297	288	279	302	319	277	319	128
29	156	138	137	133	131	135	133	137	143	134	159	298	300	298	298	301	299	292	298	302	294	279	277	296	224	302	131
30	296	280	25	274	300	330	270	306	305	304	299	290	CA	293	294	300	291	300	309	302	281	307	51	147	268	330	25
31	128	134	131	115	111	110	102	126	146	294	CA	CA	287	284	287	98	280	280	269	129	128	131	137	177	294	98	
Average	172	149	149	154	161	167	157	170	178	191	209	227	238	245	244	244	246	247	229	194	184	187	182	186			
Maximum	348	303	310	305	316	330	306	306	330	305	331	304	341	351	320	306	306	307	309	312	331	339	314	319			
Minimum	115	67	25	67	84	99	7	38	4	59	100	111	112	123	126	124	98	40	58	15	34	116	51	109			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Ambient Temperature

Units: Degrees Celcius (oC)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	8.4	7.9	7.7	7.9	7.5	7.5	7.9	9.2	10.1	11.3	13.4	15.5	16.5	16.2	16.6	15.9	15.2	14.4	13.7	13.2	13.2	13.0	12.2	11.3	11.9	16.6	7.5	
2	10.9	11.0	10.4	10.2	10.3	9.8	9.1	9.7	11.7	13.7	14.5	15.1	16.0	16.4	17.0	16.9	16.6	15.9	14.7	13.4	12.5	11.1	9.8	9.2	12.7	17.0	9.1	
3	8.6	8.5	8.2	8.1	8.0	7.9	7.9	8.6	10.5	12.3	14.1	15.4	16.4	17.2	17.7	18.0	17.5	15.0	13.2	12.6	12.5	12.2	11.8	11.6	12.2	18.0	7.9	
4	11.8	11.7	11.3	11.0	10.9	11.0	11.2	11.4	11.3	11.2	11.3	11.3	11.7	11.7	11.8	12.3	12.9	12.9	12.9	12.8	12.2	11.9	11.6	11.8	12.9	10.9		
5	11.5	10.1	9.4	9.3	10.2	10.2	10.1	9.9	10.1	11.2	12.8	15.0	17.1	18.7	19.9	20.3	20.3	19.8	17.1	14.6	13.7	13.0	11.6	11.3	13.6	20.3	9.3	
6	10.7	10.2	9.7	8.3	8.2	7.7	7.1	7.5	10.9	14.6	16.8	18.3	19.8	20.9	21.4	21.7	21.5	20.9	18.4	16.4	14.8	12.9	12.6	12.5	14.3	21.7	7.1	
7	12.1	11.8	11.7	10.9	10.4	10.4	10.7	11.0	11.2	11.7	13.5	16.1	19.3	20.6	21.5	21.7	21.7	20.7	19.0	17.3	15.5	13.9	14.1	13.2	15.0	21.7	10.4	
8	11.8	11.1	11.8	12.6	12.4	12.3	12.3	12.1	12.5	13.2	14.2	16.6	19.1	21.3	22.8	23.4	22.9	21.9	19.7	17.3	16.4	15.3	13.9	13.1	15.8	23.4	11.1	
9	12.5	12.2	12.3	11.2	10.2	9.9	9.2	10.0	11.3	12.4	14.1	17.6	20.4	22.3	23.2	23.1	22.6	22.1	21.0	19.6	17.8	15.9	15.0	15.1	15.9	23.2	9.2	
10	14.2	13.0	13.0	13.5	12.1	11.2	11.4	14.2	16.1	18.2	22.3	24.1	25.4	25.5	25.3	25.5	25.2	24.6	21.9	18.8	17.3	16.1	15.7	15.4	18.3	25.5	11.2	
11	14.4	13.3	13.2	12.6	IM	10.4	11.2	12.4	15.7	20.5	22.3	24.5	26.7	28.2	29.4	30.0	30.0	28.2	25.3	22.9	19.9	17.2	15.5	14.0	19.9	30.0	10.4	
12	13.0	12.9	12.9	12.8	12.6	12.4	12.5	12.6	13.0	13.4	14.0	15.1	15.7	16.4	17.1	17.0	16.8	16.0	15.4	14.9	14.7	14.4	14.2	13.9	14.3	17.1	12.4	
13	13.7	13.6	13.4	13.3	13.3	13.6	13.2	12.9	13.3	13.7	14.8	16.1	17.5	18.8	18.7	18.8	18.3	17.2	15.2	14.2	13.4	12.9	12.9	12.8	14.8	18.8	12.8	
14	12.7	12.4	12.1	11.7	11.6	10.8	9.6	11.5	14.5	16.3	17.9	18.8	20.1	20.9	21.9	22.0	21.8	21.0	18.5	15.9	14.7	12.6	11.3	10.1	15.4	22.0	9.6	
15	10.3	9.4	8.7	8.2	7.9	7.1	6.5	8.2	10.4	13.2	16.4	20.0	21.9	23.0	23.2	23.2	22.8	21.9	20.1	16.4	14.1	12.5	11.1	10.4	14.4	23.2	6.5	
16	9.6	8.8	7.8	7.2	6.6	6.4	6.1	8.1	10.7	13.5	16.1	18.8	20.8	21.8	22.5	21.7	20.3	19.1	17.4	16.1	14.5	13.3	12.3	11.4	13.8	22.5	6.1	
17	11.1	10.7	10.3	10.0	9.8	9.5	9.4	10.0	11.2	13.1	15.7	17.7	18.6	18.7	18.8	18.3	17.6	16.9	15.8	14.7	13.7	13.2	12.6	12.4	13.7	18.8	9.4	
18	12.2	12.3	11.8	11.8	11.4	11.4	11.2	11.0	11.7	12.0	13.0	14.3	14.0	13.6	14.0	14.4	15.3	14.9	13.4	13.1	13.0	12.4	11.9	12.1	12.8	15.3	11.0	
19	12.2	11.8	11.5	11.5	11.5	11.4	11.3	11.5	12.3	12.9	14.6	15.3	15.6	16.1	16.7	16.4	15.8	15.1	14.0	13.4	12.6	12.0	11.9	11.6	13.3	16.7	11.3	
20	11.6	11.7	11.3	11.3	11.1	11.3	10.8	11.4	12.6	13.9	14.9	14.9	13.7	14.3	14.8	15.6	15.3	14.3	13.3	12.4	11.8	11.4	10.7	10.4	12.7	15.6	10.4	
21	9.9	9.4	9.3	9.2	9.3	8.9	8.9	9.6	11.2	13.0	14.8	15.8	16.2	16.0	15.8	14.8	13.7	12.9	12.6	12.3	11.8	11.4	11.3	11.3	12.1	16.2	8.9	
22	11.4	11.6	11.7	12.0	12.2	12.2	12.7	13.1	14.4	14.2	14.0	13.9	12.8	11.8	10.5	9.6	9.8	10.5	10.2	9.9	9.8	9.8	9.7	9.7	11.6	14.4	9.6	
23	9.6	9.6	9.4	9.5	9.5	9.4	9.2	9.6	10.3	11.1	11.6	11.0	11.8	IM	12.6	12.3	11.9	12.1	11.5	11.1	10.9	10.5	9.8	9.5	10.6	12.6	9.2	
24	8.8	8.6	8.5	8.4	8.0	7.9	7.6	9.1	10.4	12.2	12.9	13.5	14.1	14.6	14.9	15.4	IM	9.4	10.8	15.4	7.6							
25	8.7	8.3	8.9	7.8	6.4	5.5	5.6	8.8	10.8	11.9	12.9	14.2	15.3	15.8	16.0	15.6	15.3	14.7	13.5	12.6	11.5	10.3	9.9	8.5	11.2	16.0	5.5	
26	7.5	6.9	6.2	6.2	6.4	6.3	6.7	7.5	9.7	12.2	15.2	16.9	18.3	19.3	20.1	20.3	19.8	18.3	17.2	14.8	13.8	13.1	12.7	12.2	12.8	20.3	6.2	
27	11.7	10.9	10.4	10.0	9.7	9.8	9.9	10.6	11.9	13.9	15.8	17.5	17.0	18.1	17.0	15.9	14.9	13.3	12.7	12.6	13.0	12.8	12.3	11.6	13.1	18.1	9.7	
28	10.9	10.3	10.3	9.9	10.0	9.8	9.6	10.2	11.3	12.2	11.7	12.4	13.3	13.9	14.1	14.0	13.6	12.8	11.6	10.8	10.2	9.4	9.7	9.7	11.3	14.1	9.4	
29	9.4	9.1	8.9	8.6	8.6	8.5	8.4	8.5	9.3	10.2	12.3	13.5	13.4	15.2	15.7	14.9	14.8	13.4	12.2	11.6	11.3	10.7	10.2	9.4	11.2	15.7	8.4	
30	8.7	8.1	7.3	6.5	6.0	5.2	6.1	8.9	10.3	12.3	14.0	15.4	16.6	17.6	18.3	18.1	17.6	16.2	14.3	12.9	11.5	10.0	8.9	12.0	18.3	5.2		
31	8.1	7.5	7.1	7.1	6.5	6.0	6.7	8.6	11.7	14.4	CA	CA	CA	CA	21.8	22.7	23.3	23.5	22.9	20.5	17.8	16.0	13.9	12.6	11.9	13.8	23.5	6.0
Average	10.9	10.5	10.2	10.0	9.6	9.4	9.4	10.3	11.7	13.2	14.7	16.1	17.2	18.2	18.4	18.2	17.4	15.9	14.6	13.7	12.7	12.0	11.5					
Maximum	14.4	13.6	13.4	13.5	13.3	13.6	13.2	14.2	16.1	20.5	22.3	24.5	26.7	28.2	29.4	30.0	30.0	28.2	25.3	22.9	19.9	17.2	15.7	15.4				
Minimum	7.5	6.9	6.2	6.2	6.0	5.2	5.6	7.5	9.3	10.2	11.3	11.0	11.7	11.7	10.5	9.6	9.8	10.5	10.2	9.9	9.8	9.4	9.7	8.5				

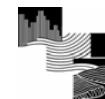
Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 0.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Relative Humidity

Units: Percent (%)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	94	94	94	92	93	93	92	88	86	81	77	70	57	55	49	46	50	54	58	65	62	68	79	90	74	94	46
2	95	88	90	92	92	95	96	95	87	77	70	64	61	59	58	59	59	61	68	73	75	83	87	90	78	96	58
3	92	92	92	92	92	93	92	90	85	81	77	72	66	60	57	53	57	74	84	94	96	97	97	98	83	98	53
4	97	96	93	95	97	98	98	97	99	99	97	96	96	94	95	94	91	90	90	89	89	89	90	92	94	99	89
5	92	97	98	98	97	97	98	97	97	91	85	76	66	56	48	48	51	51	71	86	89	90	94	93	82	98	48
6	94	96	97	99	100	100	100	100	92	79	67	58	55	50	48	45	42	43	59	67	74	81	86	93	76	100	42
7	94	93	94	97	97	94	94	93	92	91	84	74	58	53	48	43	48	52	61	69	77	83	84	87	77	97	43
8	92	95	94	92	96	96	96	96	95	92	87	78	67	58	52	49	52	57	67	78	82	85	89	91	81	96	49
9	94	93	90	94	96	97	98	99	99	95	89	73	64	57	56	60	61	65	69	71	79	86	89	89	82	99	56
10	92	95	95	93	96	97	94	79	68	62	40	32	28	31	35	34	35	36	47	60	65	71	72	72	64	97	28
11	77	81	80	82	IM	90	85	82	72	56	49	43	37	33	31	29	28	30	35	46	65	82	89	95	61	95	28
12	99	100	101	101	100	99	99	98	95	93	90	86	83	80	79	82	82	85	86	87	88	89	90	92	91	101	79
13	91	91	90	90	90	85	88	89	88	84	77	70	65	61	61	59	61	64	79	81	83	86	86	85	79	91	59
14	85	85	86	85	86	88	92	73	39	29	24	23	22	23	23	23	22	24	30	37	42	53	57	61	50	92	22
15	61	64	65	66	66	69	73	64	64	54	42	25	18	14	13	13	13	20	19	29	43	62	64	64	45	73	13
16	68	71	75	79	82	82	80	69	61	49	40	31	24	21	24	29	32	33	39	48	55	69	82	87	55	87	21
17	87	86	86	86	85	87	89	85	76	65	41	32	29	29	31	29	37	39	40	45	53	59	70	76	60	89	29
18	75	73	80	77	80	80	83	84	81	81	76	60	69	80	85	80	78	84	84	84	87	90	89	80	90	60	
19	89	93	96	96	95	95	97	97	95	95	88	84	75	64	56	58	57	59	63	68	78	81	81	84	81	97	56
20	83	84	87	87	87	85	87	88	84	77	72	72	83	82	78	69	65	71	80	86	83	86	89	92	82	92	65
21	95	96	97	97	96	96	96	94	90	82	69	59	57	60	62	73	81	87	92	93	95	96	96	86	97	57	
22	97	97	97	98	98	98	97	95	82	80	83	84	93	94	94	95	94	90	94	96	96	97	97	97	93	98	80
23	97	96	96	96	96	97	97	93	89	82	80	84	84	IM	69	65	69	67	72	71	77	85	85	83	97	65	
24	88	91	91	92	94	93	94	86	79	68	60	54	49	45	44	40	IM	76	73	94	40						
25	81	83	80	85	92	94	93	82	71	62	54	48	44	43	43	47	47	48	54	63	66	72	77	82	67	94	43
26	88	90	92	92	90	90	88	85	79	69	55	51	48	45	37	38	39	42	47	58	67	74	77	73	67	92	37
27	75	80	82	85	85	84	86	84	79	71	60	47	49	47	58	54	59	78	87	91	90	94	92	93	76	94	47
28	96	97	97	98	98	97	97	91	80	68	70	65	58	56	53	54	52	55	60	67	72	76	75	76	75	98	52
29	80	83	85	87	87	88	92	96	94	94	89	86	87	65	56	55	52	53	64	70	72	76	78	81	78	96	52
30	85	84	88	91	92	95	92	81	74	64	49	42	35	33	33	34	37	36	41	54	67	75	85	88	65	95	33
31	89	89	88	87	89	90	86	77	69	57	45	29	28	27	26	27	31	38	48	57	66	74	77	61	90	26	
Average	88	89	90	90	92	92	88	82	75	67	61	57	53	52	51	53	56	63	69	74	80	83	85				
Maximum	99	100	101	101	100	100	100	99	99	97	96	96	94	95	95	94	90	94	96	96	97	97	98				
Minimum	61	64	65	66	66	69	73	64	39	29	24	23	18	14	13	13	20	19	29	42	53	57	61				

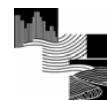
Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Shelter Temperature

Units: Degrees Celcius (oC)

Month: March

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	24.2	23.8	23.2	22.7	22.1	21.7	21.2	20.8	20.5	20.6	21.2	22.1	23.4	24.7	25.8	26.8	27.4	27.6	27.5	27.1	26.7	26.2	25.8	25.4	24.1	27.6	20.5	
2	24.9	24.8	24.5	24.1	23.7	23.5	23.1	22.5	22.3	22.6	23.6	24.9	26.0	26.9	27.6	28.1	28.4	28.5	28.2	27.7	27.2	26.6	25.9	25.1	25.4	28.5	22.3	
3	24.4	23.9	23.4	22.9	22.3	21.9	21.3	20.8	20.5	20.7	21.3	22.3	23.5	25.0	26.3	27.4	28.3	28.7	28.6	28.1	27.6	27.1	26.5	25.9	24.5	28.7	20.5	
4	25.4	25.3	25.1	24.9	24.5	24.3	24.0	23.7	23.4	23.2	23.0	22.7	22.5	22.4	22.5	22.6	22.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.4	25.4	22.4	
5	22.8	23.0	22.9	22.7	22.3	22.2	22.1	22.0	21.9	22.0	22.5	23.5	24.9	26.1	27.1	27.9	28.4	28.9	29.1	29.1	28.7	28.1	27.4	26.7	25.1	29.1	21.9	
6	25.9	25.5	25.0	24.5	23.8	23.2	22.5	21.8	21.5	21.8	23.0	24.6	26.3	27.8	28.8	29.6	30.2	30.4	30.5	30.2	29.7	29.0	28.3	27.5	26.3	30.5	21.5	
7	26.9	26.6	26.3	26.1	25.7	25.3	24.9	24.5	24.2	24.1	24.5	25.4	26.6	28.0	29.1	29.9	30.5	30.8	30.9	30.8	30.4	29.8	29.0	28.2	27.4	30.9	24.1	
8	27.5	27.1	26.5	26.1	25.8	25.6	25.4	25.1	24.9	24.9	25.1	25.7	26.7	27.8	28.7	29.7	30.6	31.1	31.4	31.3	30.9	30.3	29.6	28.9	27.8	31.4	24.9	
9	28.1	27.6	27.0	26.5	25.8	25.2	24.5	23.8	23.3	23.2	23.6	24.5	25.9	27.3	28.6	29.6	30.5	31.0	31.3	31.2	31.0	30.6	30.0	29.4	27.5	31.3	23.2	
10	28.8	28.4	27.9	27.3	26.7	26.2	25.6	24.9	24.6	24.9	26.0	27.5	29.0	30.2	31.4	32.3	32.8	33.1	33.3	33.3	32.8	32.1	31.2	30.4	29.2	33.3	24.6	
11	29.6	29.2	28.6	28.0	IM	26.6	25.9	25.2	24.8	25.3	26.7	28.5	30.4	32.1	33.6	35.0	36.1	36.8	37.1	36.9	36.3	35.5	34.5	33.3	31.1	37.1	24.8	
12	32.1	31.3	30.5	29.8	29.1	28.5	27.9	27.3	26.8	26.5	26.4	26.6	26.9	27.4	28.0	28.7	29.3	29.7	29.6	29.3	28.9	28.6	28.2	27.8	28.6	32.1	26.4	
13	27.5	27.4	27.3	27.1	26.8	26.6	26.2	25.7	25.4	25.2	25.2	25.5	26.1	27.0	28.0	28.7	29.2	29.4	29.4	29.1	28.6	27.9	27.2	26.6	27.2	29.4	25.2	
14	26.1	25.8	25.3	24.9	24.5	24.3	24.0	23.5	23.2	23.5	24.3	25.5	26.5	27.5	28.2	29.1	29.7	30.2	30.4	30.2	29.6	28.8	27.9	26.9	26.7	30.4	23.2	
15	25.9	25.3	24.6	23.9	23.1	22.4	21.7	21.0	20.7	21.0	22.1	23.6	25.4	27.0	28.3	29.0	29.7	30.1	30.3	30.3	29.8	29.1	28.2	27.2	25.8	30.3	20.7	
16	26.2	25.5	24.7	24.0	23.1	22.3	21.5	20.7	20.4	20.8	21.9	23.4	25.0	26.7	28.2	29.5	30.3	30.5	30.3	29.9	29.4	28.9	28.3	27.6	25.8	30.5	20.4	
17	26.8	26.5	26.0	25.5	24.8	24.3	23.8	23.3	22.9	22.9	23.4	24.2	25.3	26.4	27.3	28.1	28.5	28.6	28.5	28.3	28.0	27.5	27.0	26.5	26.0	28.6	22.9	
18	26.1	25.9	25.7	25.4	25.1	24.8	24.5	24.1	23.8	23.6	23.7	24.3	24.7	25.0	25.2	25.3	25.4	25.6	25.6	25.4	25.1	24.9	24.6	24.3	24.9	26.1	23.6	
19	24.0	24.1	24.0	23.9	23.9	23.6	23.3	23.0	22.9	22.9	23.0	23.5	24.1	24.7	25.3	26.0	26.4	26.6	26.3	25.9	25.5	25.1	24.7	24.6	26.6	22.9		
20	24.2	24.2	24.0	23.8	23.7	23.4	23.0	22.7	22.6	22.9	23.6	24.5	25.4	25.9	26.2	26.6	26.9	27.0	26.8	26.5	26.0	25.5	24.9	24.3	24.8	27.0	22.6	
21	23.8	23.6	23.1	22.8	22.5	22.1	21.6	21.2	21.0	21.3	22.0	22.9	24.0	25.3	26.3	26.9	27.1	27.1	26.8	26.5	26.1	25.6	25.2	24.8	24.1	27.1	21.0	
22	24.4	24.3	24.2	24.1	24.2	24.1	23.9	23.8	23.9	24.1	24.4	24.7	24.9	25.0	24.7	24.2	23.7	23.4	23.3	23.2	23.0	22.8	22.7	22.5	23.9	25.0	22.5	
23	22.3	22.4	22.5	22.5	22.5	22.3	22.1	21.9	21.8	21.8	22.0	22.4	22.8	IM	24.9	26.5	26.4	25.9	25.4	25.0	24.7	24.3	24.0	23.6	23.5	26.5	21.8	
24	23.3	23.2	23.1	22.9	22.7	22.3	21.8	21.4	21.5	22.1	23.2	24.3	25.3	25.9	26.4	26.1	IM	24.1	23.5	26.4	21.4							
25	23.6	23.4	23.1	22.8	22.5	22.0	21.2	20.7	20.7	21.3	22.3	23.4	24.6	25.7	26.4	26.9	27.1	27.2	27.0	26.5	26.0	25.5	25.0	24.4	24.1	27.2	20.7	
26	23.8	23.5	23.0	22.5	22.1	21.5	20.8	20.4	20.2	20.5	21.5	22.9	24.6	25.7	27.1	28.5	29.6	30.2	30.3	30.1	29.7	29.2	28.6	28.1	25.2	30.3	20.2	
27	27.4	27.1	26.6	26.1	25.6	25.0	24.3	23.7	23.5	23.4	23.7	24.3	25.1	25.9	26.7	27.6	28.1	28.2	28.0	27.6	27.1	26.7	26.3	25.7	26.0	28.2	23.4	
28	25.3	25.2	25.0	24.8	24.6	24.3	23.8	23.4	23.1	23.1	23.2	23.5	23.7	24.0	24.2	24.5	24.7	24.7	24.5	24.1	23.6	23.2	22.8	22.5	24.0	25.3	22.5	
29	22.3	22.4	22.4	22.4	22.4	22.2	21.9	21.5	21.3	21.3	21.5	22.2	23.0	23.5	23.9	24.4	24.7	25.0	24.9	24.6	24.2	23.9	23.7	23.4	23.1	25.0	21.3	
30	23.1	22.9	22.6	22.2	21.8	21.2	20.4	20.0	20.0	20.6	21.6	23.0	24.8	25.6	26.2	26.7	27.3	28.2	29.1	28.1	26.1	24.2	23.3	23.0	23.8	29.1	20.0	
31	22.6	22.3	21.9	21.4	20.9	20.3	19.6	19.4	21.1	24.2	26.0	24.8	24.2	23.8	23.2	22.8	22.7	22.6	22.5	22.6	22.7	22.8	23.0	22.5	26.0	19.4		
Average	25.5	25.2	24.8	24.5	24.0	23.6	23.2	22.7	22.5	22.8	23.4	24.2	25.2	26.2	26.9	27.6	28.1	28.3	28.3	28.1	27.6	27.1	26.6	26.0				
Maximum	32.1	31.3	30.5	29.8	29.1	28.5	27.9	27.3	26.8	26.5	26.7	28.5	30.4	32.1	33.6	35.0	36.1	36.8	37.1	36.9	36.3	35.5	34.5	33.3				
Minimum	22.3	22.3	21.9	21.4	20.9	20.3	19.6	19.4	20.0	20.5	21.2	22.1	22.5	22.4	22.5	22.6	22.7	22.6	22.5	22.6	22.7	22.7	22.5	22.5	26.0	19.4		

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